



Item 01 – GRI Topic Standard Project for Biodiversity – Exposure draft

For GSSB approval

Meeting 17 November 2022

Project GRI Topic Standard Project for Biodiversity

Description This document sets out the exposure draft of the revised GRI Biodiversity Standard, including the explanatory memorandum. These are submitted for GSSB approval for public exposure.

If approved, it is proposed that public exposure commence early December and run until the end of February.

This document has been prepared by the GRI Standards Division and is made available to observers at meetings of the Global Sustainability Standards Board (GSSB). It does not represent an official position of the GSSB. Board positions are set out in the GRI Sustainability Reporting Standards. The GSSB is the independent standard setting body of GRI. For more information visit www.globalreporting.org.

1 Explanatory memorandum

2 This explanatory memorandum sets out the objectives for the review of *GRI 304: Biodiversity 2016*,
3 the significant proposals contained in the exposure draft, and a summary of the GSSB's involvement
4 and views on the development of the draft.

5 Objectives for the project

6 The review of *GRI 304: Biodiversity 2016* aims to represent internationally agreed best practice and
7 align with recent developments and the relevant authoritative intergovernmental instruments in the
8 field of biodiversity.

9 As part of the [GSSB Work Program 2020-2022](#), the Global Sustainability Standards Board (GSSB)
10 identified the review of *GRI 304: Biodiversity 2016* as a priority project for commencement in 2021.
11 Since the GRI disclosures on biodiversity were last revised in 2006, the issue of biodiversity has
12 received significant attention in the global sustainable development agenda.

13 Biodiversity features as a key theme in the United Nations' 2030 Agenda for Sustainable
14 Development. Both governments and private sector organizations are being called upon to realize
15 Sustainable Development Goals (SDG) 14 and 15. SDG 14 is devoted to "conserve and sustainably
16 use the oceans, seas and marine resources". While SDG 15 is devoted to "protect, restore and
17 promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat
18 desertification, and halt and reverse land degradation and halt biodiversity loss".

19 The Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPES)
20 issued the global assessment report on biodiversity and ecosystem services in 2019, highlighting that
21 biodiversity is declining in every region and issues an urgent call to halt and reverse the unsustainable
22 use of nature.

23 At the time of issuance of this exposure draft, parties to the United Nations Convention on Biological
24 Diversity are negotiating the post-2020 global biodiversity framework, which aims to stabilize
25 biodiversity loss by 2030 and fully recover natural ecosystems by 2050. The first draft of the post-
26 2020 global biodiversity framework proposes in its Target 15 that "all businesses (public and private,
27 large, medium and small) assess and report on their dependencies and impacts on biodiversity". The
28 revised GRI Biodiversity Standard could support organizations in meeting reporting obligations
29 resulting from the adoption of this framework.

30 As outlined in the GSSB's [Due Process Protocol](#), a [multi-stakeholder technical committee](#) was
31 established in November 2021 to contribute to the revision of the Biodiversity Standard.

32 For more information on the project, consult the [Project Proposal](#) and the [Terms of Reference](#) of the
33 Technical Committee.

34 Significant proposals

35 An exposure draft for the revised GRI Biodiversity Standard has been developed in line with the
36 project objectives set out above. Notable changes and inclusions in this exposure draft are
37 summarized below:

38 **Facilitate reporting impacts across the supply chain.** Reporting information on supply chains is
39 key as the most significant impacts on biodiversity for many organizations is in their supply chains and
40 not in their own operations. A sole focus on an organization's activities can lead to under-reporting or
41 reporting on impacts that are not the most significant ones. The proposed disclosures require
42 information on the organization's activities and on its suppliers' activities with the most significant
43 impacts on biodiversity. Disclosures also include a recommendation to provide information on the
44 downstream value chain, if available. See Disclosures 304-1 to 304-4.

45 **Focus on the most significant impacts on biodiversity.** Identifying, measuring, and reporting on all
46 impacts on biodiversity can be challenging for many organizations, especially when taking their supply
47 chains into account. The proposed disclosures focus on reporting information on the most significant
48 impacts on biodiversity, not all impacts. Upcoming biodiversity frameworks, such as the Science

49 Based Targets Network (SBTN) and the Taskforce on Nature-related Financial Disclosures (TNFD),
50 are developing methodologies to assist organizations to identify and prioritize the location of their
51 most significant impacts. See Disclosures 304-1 to 304-5.

52 **Emphasis on providing location-specific information on impacts.** Impacts on biodiversity are
53 site-specific. An understanding of the local context where an organization interacts with biodiversity is
54 necessary to assess its impacts. [Disclosure 304-1](#) requires specific information on the location of
55 operational sites with the most significant impacts on biodiversity. It replaces Disclosure 304-1 in *GRI*
56 *304: Biodiversity 2016*. Disclosures 304-2 to 304-4 require information on impacts for each
57 operational site reported under Disclosure 304-1.

58 **New disclosure to report on the direct drivers of biodiversity loss** (climate change, invasive alien
59 species, land and sea use change, overexploitation of resources, pollution). Although less accurate
60 than direct measurements of changes in the state of biodiversity (i.e., changes to species and
61 ecosystems), information on direct drivers of biodiversity loss helps understand how an organization
62 affects biodiversity. In turn, it informs which actions an organization needs to take to manage its
63 impacts on biodiversity. It replaces requirement 304-2-a in *GRI 304: Biodiversity 2016* (see [Disclosure](#)
64 [304-2](#)).

65 **New disclosure to report on the changes to the state of biodiversity.** Requirements have been
66 included to report the impact of an organization and its suppliers on ecosystems (i.e., the type, size,
67 and condition of ecosystems affected or potentially affected), and the impact of an organization on
68 species (i.e., the name and extinction risk of species affected or potentially affected). It replaces
69 requirement 304-2-b and Disclosure 304-4 in *GRI 304: Biodiversity 2016* (see [Disclosure 304-3](#)).

70 **New requirements on the impacts on people resulting from an organization's impacts on**
71 **biodiversity.** These requirements complement the disclosures in *GRI 411: Rights of Indigenous*
72 *Peoples 2016* and *GRI 413: Local Communities 2016*. Proposed revisions include:

- 73 • reporting if the organization operates in proximity to areas of high biodiversity value that are
74 important to indigenous peoples and local communities (see [Disclosure 304-1](#));
- 75 • reporting the significant ecosystem services and the beneficiaries of these ecosystem
76 services that are or could be affected by the organization or its suppliers (see [Disclosure 304-](#)
77 [4](#));
- 78 • the management of these impacts, including how the organization addresses the negative
79 impacts of the transition to halt and reverse the loss of biodiversity on workers and local
80 communities (see [Disclosure 304-6](#)); and
- 81 • reporting how the organization respects the provisions set out in the Nagoya Protocol to
82 achieve the fair and equitable sharing of benefits arising from utilizing genetic resources and
83 the associated traditional knowledge (see [Disclosure 304-7](#)).

84 **New biodiversity-specific management disclosures.** These additional disclosures are intended to
85 complement Disclosure 3-3 in *GRI 3: Material Topics 2021*. The new disclosures focus on
86 understanding how the organization:

- 87 • applies the mitigation hierarchy to manage its biodiversity-related impacts (see [Disclosure](#)
88 [304-5](#) - this replaces Disclosure 304-3 in *GRI 304: Biodiversity 2016*); and
- 89 • aligns its policies and commitments with the upcoming Convention on Biological Diversity's
90 post-2020 Global Biodiversity Framework and how it implements these policies and
91 commitments (see [Disclosure 304-6](#)).

92 **Revised definitions.** The definition of 'ecosystem conversion' is proposed for inclusion in the *GRI*
93 *Standards Glossary* (see [Glossary](#)). The following definitions are removed from the Glossary, as the
94 terms are no longer used, or have been incorporated in the guidance of the exposure draft:

- 95 • area of high biodiversity value;
- 96 • area protected;
- 97 • area restored;
- 98 • protected area;

- 99
- significant impact on biodiversity.

100 **More extensive guidance throughout the draft.** This includes example templates for presenting the
101 information for Disclosures 304-1 to 304-3 (see [Table 1](#), [Table 2](#), and [Table 3](#)).

102 **GSSB involvement and views on the development of** 103 **this draft**

104 The GSSB appointed two of its members as sponsors for the review of *GRI 304: Biodiversity 2016*.
105 The GSSB sponsors observed the TC process and attended most of their meetings.

106 The GSSB confirmed its support for the revisions to the GRI Biodiversity Standard when it voted to
107 approve the draft for public exposure at its meeting on 17 November 2022 [subject to GSSB
108 approval].

109 The recording of the meeting can be accessed on the [GSSB website](#).

110 **Note on reading this document**

111 This document includes generic text used in all GRI Standards. This text is highlighted in grey and
112 cannot be changed – please do not comment on this text.

113 Underlined terms in the draft Standard indicate terms for which definitions have been provided. Most
114 of these terms are already defined in the *GRI Standards Glossary 2021* – these definitions are
115 highlighted in grey in the Glossary and cannot be changed. The proposed new definition is not
116 highlighted in grey and is open for review.

117 **GRI 304: Biodiversity 202X**

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This document does not represent an official position of the GSSB

134 Introduction

135 *GRI 304: Biodiversity 202X* contains disclosures for organizations to report information about their
136 biodiversity-related impacts, and how they manage these impacts.

137 The Standard is structured as follows:

- 138 • [Section 1](#) contains seven disclosures, which provide information about the organization's
139 biodiversity-related impacts and how the organization manages these impacts.
- 140 • The [Glossary](#) contains defined terms with a specific meaning when used in the GRI
141 Standards. The terms are underlined in the text of the GRI Standards and linked to the
142 definitions.
- 143 • The [Bibliography](#) lists authoritative intergovernmental instruments and additional references
144 used in developing this Standard.

145 The rest of the Introduction section provides a background on the topic, an overview of the system of
146 GRI Standards, and further information on using this Standard.

147 Background on the topic

148 This Standard addresses the topic of biodiversity.

149 Biological diversity, referred to as biodiversity, is the variability among living organisms from all
150 sources, including terrestrial, marine, and other aquatic ecosystems and the ecological complexes of
151 which they are a part; this includes diversity within species, between species, and of ecosystems.
152 Biodiversity, therefore, includes three components of diversity: genes, species, and ecosystems.

153 Biodiversity is an essential characteristic of nature, which consists of environmental assets spread
154 across the atmosphere, land, sea, and freshwater. An ecosystem is a dynamic complex of plants,
155 animals, and microorganisms, interacting with each other and their non-living environment.
156 Ecosystems are environmental assets that support the provision of ecosystem services, which are the
157 flows of benefits from ecosystems to people, such as clean water and air.

158 Protecting and enhancing biodiversity ensures genetic diversity, the survival of animal and plant
159 species, and the health of ecosystems. Biodiversity and ecosystem services contribute directly to
160 local livelihoods and are essential for poverty reduction and sustainable development.

161 The post-2020 Biodiversity Framework of the UN Convention on Biological Diversity will set goals and
162 targets to halt and reverse biodiversity loss and achieve its vision of living in harmony with nature by
163 2050. The Sustainable Development Goals, adopted by the UN as part of the 2030 Agenda for
164 Sustainable Development, also include key targets related to halting biodiversity loss and promoting
165 the sustainable use of natural resources under Goal 14: Life below water and Goal 15: Life on land.

166 An organization can have impacts on biodiversity through its activities, the activities of suppliers and
167 entities downstream of the value chain, or a combination of those. These impacts can extend beyond
168 the geographic locations where the activities of the organization, suppliers, and downstream entities
169 are. Biodiversity-related impacts can also have social and economic consequences, including for
170 indigenous peoples and local communities.

171 See references [1], [2], and [5] in the [Bibliography](#).

172 System of GRI Standards

173 This Standard is part of the GRI Sustainability Reporting Standards (GRI Standards). The GRI
174 Standards enable an organization to report information about its most significant impacts on the
175 economy, environment, and people, including impacts on their human rights, and how it manages
176 these impacts.

177 The GRI Standards are structured as a system of interrelated standards that are organized into three
 178 series: GRI Universal Standards, GRI Sector Standards, and GRI Topic Standards (see [Figure 1](#) in
 179 this Standard).

180 **Universal Standards: GRI 1, GRI 2 and GRI 3**

181 *GRI 1: Foundation 2021* specifies the requirements that the organization must comply with to report in
 182 accordance with the GRI Standards. The organization begins using the GRI Standards by consulting
 183 *GRI 1*.

184 *GRI 2: General Disclosures 2021* contains disclosures that the organization uses to provide
 185 information about its reporting practices and other organizational details, such as its activities,
 186 governance, and policies.

187 *GRI 3: Material Topics 2021* provides guidance on how to determine material topics. It also contains
 188 disclosures that the organization uses to report information about its process of determining material
 189 topics, its list of material topics, and how it manages each topic.

190 **Sector Standards**

191 The Sector Standards provide information for organizations about their likely material topics. The
 192 organization uses the Sector Standards that apply to its sectors when determining its material topics
 193 and when determining what to report for each material topic.

194 **Topic Standards**

195 The Topic Standards contain disclosures that the organization uses to report information about its
 196 impacts in relation to particular topics. The organization uses the Topic Standards according to the list
 197 of material topics it has determined using *GRI 3*.

198 **Figure 1. GRI Standards: Universal, Sector and Topic Standards**



199 **Using this Standard**

200 This Standard can be used by any organization – regardless of size, type, sector, geographic location,
201 or reporting experience – to report information about its biodiversity-related impacts. In addition to this
202 Standard, disclosures that relate to this topic can be found in [GRI 303: Water and Effluents 2018](#), [GRI](#)
203 [305: Emissions 2016](#), [GRI 306: Waste 2020](#), [GRI 411: Rights of Indigenous Peoples 2016](#), and [GRI](#)
204 [413: Local Communities 2016](#).

205 An organization reporting in accordance with the GRI Standards is required to report the following
206 disclosures if it has determined biodiversity to be a material topic:

- 207 • [Disclosure 3-3 in GRI 3: Material Topics 2021](#);
- 208 • Any disclosures from this Topic Standard that are relevant to the organization’s biodiversity-
209 related impacts (Disclosure 304-1 through Disclosure 304-7).

210 See [Requirements 4 and 5 in GRI 1: Foundation 2021](#).

211 Reasons for omission are permitted for these disclosures.

212 If the organization cannot comply with a disclosure or with a requirement in a disclosure (e.g.,
213 because the required information is confidential or subject to legal prohibitions), the organization is
214 required to specify the disclosure or the requirement it cannot comply with, and provide a reason for
215 omission together with an explanation in the GRI content index. See [Requirement 6 in GRI 1:](#)
216 [Foundation 2021](#) for more information on reasons for omission.

217 If the organization cannot report the required information about an item specified in a disclosure
218 because the item (e.g., committee, policy, practice, process) does not exist, it can comply with the
219 requirement by reporting this to be the case. The organization can explain the reasons for not having
220 this item or describe any plans to develop it. The disclosure does not require the organization to
221 implement the item (e.g., developing a policy), but to report that the item does not exist.

222 If the organization intends to publish a standalone sustainability report, it does not need to repeat
223 information that it has already reported publicly elsewhere, such as on web pages or in its annual
224 report. In such a case, the organization can report a required disclosure by providing a reference in
225 the GRI content index as to where this information can be found (e.g., by providing a link to the web
226 page or citing the page in the annual report where the information has been published).

227 **Requirements, guidance and defined terms**

228 The following apply throughout this Standard:

229 Requirements are presented in **bold font** and indicated by the word 'shall'. An organization must
230 comply with requirements to report in accordance with the GRI Standards.

231 Requirements may be accompanied by guidance.

232 Guidance includes background information, explanations, and examples to help the organization
233 better understand the requirements. The organization is not required to comply with guidance.

234 The Standards may also include recommendations. These are cases where a particular course of
235 action is encouraged but not required.

236 The word 'should' indicates a recommendation, and the word 'can' indicates a possibility or option.

237 Defined terms are underlined in the text of the GRI Standards and linked to their definitions in the
238 [Glossary](#). The organization is required to apply the definitions in the Glossary.

239

Topic disclosures

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Disclosure 304-1 Location of operational sites with the most significant impacts

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REQUIREMENTS

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The organization shall:

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a. explain how it has determined which of its operational sites and its suppliers' operational sites have the most significant impacts on biodiversity;

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b. report the geographic location (name and coordinates) and size in hectares of its operational sites with the most significant impacts on biodiversity;

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c. report the geographic location (name and country or jurisdiction) of its suppliers' operational sites with the most significant impacts on biodiversity;

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d. if the sites reported under 304-1-b are in, near, or contain portions of an area of high biodiversity value, report the name of and distance to these areas and whether these areas are:

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i. legally protected areas;

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ii. internationally recognized areas;

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iii. other areas of high biodiversity value that are important to indigenous peoples and local communities;

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257

iv. other areas of importance for biodiversity.

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GUIDANCE

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This disclosure provides information about the operational sites of the organization and its suppliers that cause or contribute to the most significant actual and potential impacts on biodiversity. It covers suppliers throughout the organization's supply chain, including those beyond the first tier.

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If available, the organization can additionally report the information for entities downstream of the value chain with the most significant impacts on biodiversity.

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264

This disclosure does not cover all operational sites that have an impact on biodiversity, only those with the most significant impacts. These operational sites are the focus of Disclosures 304-1 to 304-5 of this Standard.

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266

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For example, an organization may identify that its most significant impacts on biodiversity are related to sourcing certain products used to develop its own products and services. In this case, the organization can report the disclosures in this Standard for the sourced products and explain this under 304-1-a.

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For an example of how to present information on requirements in Disclosure 304-1, see [Table 1](#).

272

Guidance to 304-1-a

273

Requirement 304-1-a enables the organization to explain how it has determined which of its operational sites and its suppliers' operational sites have the most significant impacts on biodiversity.

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275

Operational sites cover the areas where activities occur in air, land, and water. They include land, freshwater, or marine areas owned, leased, or managed by the organization or its suppliers, as well as areas where the organization or its suppliers can conduct their activities. Examples are a mining site owned by an organization, an offshore renewable energy site leased by an organization, a fishing ground where an organization's supplier operates, or a transport route used for airfreight. Operational sites include subsurface infrastructures under the land or seabed surface, such as underground mining tunnels, cables, and pipelines.

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282 The organization should start by identifying all of its operational sites and its suppliers' operational
283 sites before determining which of those sites have the most significant impacts on biodiversity. In
284 some cases, the organization might be unable to identify all operational sites. This could be, for
285 example, because the organization has diverse or multiple global operations or because its supply
286 chain comprises many entities. In such cases, the organization may carry out an initial assessment or
287 scoping exercise to identify general areas (e.g., product lines, suppliers located in specific geographic
288 locations) where impacts on biodiversity are most likely to be present and significant. Once the
289 organization has conducted the initial assessment or scoping exercise, it can identify the operational
290 sites for these general areas and then identify and assess actual and potential impacts on biodiversity
291 for these operational sites. See [section 1 in GRI 3: Material Topics 2021](#) for more information on how
292 to do an initial assessment or scoping exercise.

293 To assess which sites cause or contribute to the most significant impacts on biodiversity, the
294 organization should consider the extent to which its activities and its suppliers' activities lead or could
295 lead to climate change, the introduction of invasive alien species, land and sea use change,
296 overexploitation of resources, and pollution (direct drivers of biodiversity loss).

297 The organization should also consider the area that is or could be affected by its activities and its
298 suppliers' activities. The area that is or could be affected, also known as area of influence, is not
299 limited to the area within an operational site but can extend beyond it. The organization should report
300 the range it has selected to determine the area that is or could be affected and explain why this range
301 was selected. For example, an organization's activities lead to water pollution 50 kilometers from the
302 source. Therefore, the organization selects a range of 50 kilometers to determine the area that could
303 be affected by the pollution.

304 The organization should also consider the biodiversity value of the area that is or could be affected by
305 its activities and its suppliers' activities. The significance of an impact can depend on the context in
306 which the impact takes place. For example, an impact on biodiversity can be more significant when it
307 takes place in an area of high biodiversity value compared to an area without high biodiversity value.

308 The assessment of which sites cause or contribute to the most significant impacts on biodiversity can
309 be based on direct measurements or estimates. For example, to determine the extent to which its
310 suppliers' activities lead or could lead to overexploitation of water resources, the organization can use
311 direct measurements (e.g., volume of water withdrawal measured by its suppliers) or estimates (e.g.,
312 average sector data about water withdrawal).

313 To determine which negative impacts are more likely to be significant and the location of operational
314 sites where those impacts occur, the organization can use the following:

- 315 • Natural Capital Finance Alliance's ENCORE (Exploring Natural Capital Opportunities, Risks
316 and Exposure) with global data to assess impacts on species and ecosystems, such as STAR
317 (Species Threat Abatement and Restoration Metric) or the Ecosystem Integrity Index.
- 318 • Guidance from the Taskforce on Nature-related Financial Disclosures (TNFD).
- 319 • Forthcoming guidance from the Science Based Targets Network (SBTN) and WWF Risk
320 Biodiversity Filter.

321 The organization should report the methodologies, assumptions, and estimates used to identify which
322 of its operational sites and suppliers' operational sites have the most significant impacts on
323 biodiversity.

324 The organization is required to describe the process it has followed to determine its material topics
325 under [Disclosure 3-1 in GRI 3: Material Topics 2021](#). The information reported under 304-1-a
326 complements the information reported under Disclosure 3-1.

327 See references [25] and [27] in the [Bibliography](#).

328 **Guidance to 304-1-b**

329 The organization is not required to provide the geographic location of all its operational sites, only the
330 geographic location of those that have or could have the most significant impacts on biodiversity.

331 The organization is required to provide the coordinates when reporting the geographic location of its
332 operational sites. Where possible, the organization should also report polygon outlines or maps. A

333 polygon is a geographic feature defined by a series of grid references, points, or vertices connected to
334 form an enclosed shape.

335 It may not be possible to provide the coordinates for the operational sites of transport and fishing
336 activities. In these cases, for transport activities, the organization should report the coordinates of the
337 locations of departure and arrival and the transport routes. For fishing activities, the organization
338 should report FAO major fishing areas and subareas.

339 Operational sites include those where future operations have been announced and those no longer
340 active.

341 See reference [15] in the [Bibliography](#).

342 **Guidance to 304-1-c**

343 The organization is not required to provide the geographic location of all operational sites of its
344 suppliers, only the geographic location of those that have or could have the most significant impacts
345 on biodiversity.

346 The organization is required to provide the country or jurisdiction when reporting the geographic
347 location of its suppliers' operational sites (e.g., a manufacturing site or a plantation). Where possible,
348 the organization should also report the location within the country or jurisdiction (e.g., state, city,
349 Exclusive Economic Zone) or a precise location, such as the coordinates, polygon outlines, or maps
350 of its suppliers' operations. For transport activities, the organization should report departure and
351 arrival locations and transport routes. For fishing activities, the organization should report FAO major
352 fishing areas and subareas.

353 For each product with significant impacts on biodiversity, the organization should report the
354 percentage of sourced volume for which origins are unknown. This information provides an
355 understanding of the proportion of sourced volume for which biodiversity-related impacts are unknown
356 to the organization.

357 See reference [15] in the [Bibliography](#).

358 **Guidance to 304-1-d**

359 This requirement covers the operational sites of the organization. The organization should also report
360 this information for its suppliers' operational sites under 304-1-b, if available.

361 The organization is required to report the distance only in cases where the sites are near an area of
362 high biodiversity value. An operational site is near an area of high biodiversity value when the area
363 falls within the range that was selected to determine the area that is or could be affected by the
364 organization's activities. It does not need to report the distance if a site is in or contains portions of
365 areas of high biodiversity value.

366 The organization should report the size of the high biodiversity value area within its operational sites.
367 The organization can provide polygon outlines or maps to report if its operational sites in 304-1-a are
368 in, near, or contain portions of areas of high biodiversity value.

369 If none of the organization's operational sites reported under 304-1-b are in, near, or contain portions
370 of an area of high biodiversity value, a brief statement of this fact is sufficient to comply with the
371 requirement.

372 **Guidance to 304-1-d-i**

373 Legally protected areas are designated by governments to achieve specific conservation objectives.
374 Legally protected areas are established as part of the national protected areas system, or to fulfil a
375 commitment to a regional or international convention or agreement which the government has signed.
376 Such areas include terrestrial, freshwater, and marine protected areas.

377 To identify these legally protected areas, the organization can consult the World Database on
378 Protected Areas, included in the [Integrated Biodiversity Assessment Tool \(IBAT\)](#).

379 **Guidance to 304-1-d-ii**

380 Internationally recognized areas consist of:

- 381 • Key Biodiversity Areas;

- 382 • UNESCO Man and the Biosphere Reserves;
383 • UNESCO Natural World Heritage Sites; and
384 • wetlands designated under the Ramsar Convention on Wetlands of International Importance
385 (Ramsar sites).

386 To identify these internationally recognized areas, the organization can consult the World Database of
387 Key Biodiversity Areas and the World Database on Protected Areas (including UNESCO Man and the
388 Biosphere Reserves, UNESCO Natural World Heritage Sites, and Ramsar sites), included in the
389 [Integrated Biodiversity Assessment Tool \(IBAT\)](#).

390 When reporting the Key Biodiversity Areas, the organization can specify for each area whether it is an
391 Alliance for Zero Extinction (AZE) site.

392 See references [16], [17], [18], [19] and [22] in the [Bibliography](#).

393 **Guidance to 304-1-d-iii**

394 Biological diversity underpins the provision of ecosystem services essential for local livelihoods,
395 cultural diversity, and social well-being. Therefore, an organization's impacts on biodiversity can lead
396 to impacts on the ecosystem services that indigenous peoples and local communities depend on for
397 their livelihoods. Examples of areas of importance to indigenous peoples and local communities
398 include Indigenous Peoples' and Community Conserved Territories and Areas (ICCA), areas under
399 customary management by indigenous peoples and local communities or subject to customary
400 harvest, and areas identified through the organization's environmental and social impact
401 assessments. ICCAs can be identified using the [ICCA Registry](#) and are defined as 'natural and/or
402 modified ecosystems containing significant biodiversity values, ecological services and cultural
403 values, voluntarily conserved by indigenous peoples and local communities, both sedentary and
404 mobile, through customary laws or other effective means'.

405 See references [4] and [7], in the [Bibliography](#).

406 **Guidance to 304-1-d-iv**

407 Other areas of importance include those recognized for their biodiversity value at the site or regional
408 level not reported under 304-1d-i to 304-1-d-iii. Examples of such areas include biodiversity hotspots,
409 critical habitats¹, High Carbon Stock (HCS) and High Conservation Value (HCV) sites, Other Effective
410 area-based Conservation Measures (OECMs), and wildlife corridors.

411 See reference [18] in the [Bibliography](#).

¹ *International Finance Corporation Performance Standard 6: Biodiversity Conservation and Sustainable Management of Living Natural Resources* (2012) defines critical habitats as 'areas with high biodiversity value, including (i) habitat of significant importance to Critically Endangered and/or Endangered species; (ii) habitat of significant importance to endemic and/or restricted-range species; (iii) habitat supporting globally significant concentrations of migratory species and/or congregatory species; (iv) highly threatened and/or unique ecosystems; and/or (v) areas associated with key evolutionary processes.'

Disclosure 304-2 Direct drivers of biodiversity loss

REQUIREMENTS

The organization shall:

- a. report its **Scope 1**, **Scope 2**, and **Scope 3** greenhouse gas emissions using *GRI 305: Emissions 2016*;
- b. for each site reported under 304-1-b and 304-1-c where invasive alien species are a direct driver of biodiversity loss, describe the activities that are responsible for the introduction of invasive alien species;
- c. for each site reported under 304-1-b and 304-1-c where land and sea use change is a direct driver of biodiversity loss:
 - i. describe the activities responsible for land and sea use change;
 - ii. report the size in hectares and the type of ecosystem converted since the cut-off date or reference date;
- d. for each site reported under 304-1-b and 304-1-c where overexploitation of resources is a direct driver of biodiversity loss:
 - i. describe the activities responsible for the overexploitation of resources;
 - ii. report the type and quantity of resources used and the species extinction risk, where applicable;
- e. for each site reported under 304-1-b and 304-1-c where pollution is a direct driver of biodiversity loss:
 - i. describe the activities responsible for pollution;
 - ii. report the type and quantity of pollutants generated;
- f. describe the processes used to monitor the direct drivers of biodiversity loss throughout its activities and **supply chain**;
- g. report contextual information necessary to understand how the data has been compiled, such as any standards, methodologies, and assumptions used.

GUIDANCE

This disclosure provides an understanding of the activities responsible for the direct drivers of biodiversity loss. It covers the activities of the organization and its **suppliers** on the sites reported under Disclosure 304-1. If the information is available, the organization should additionally describe the activities of downstream entities that are responsible for the direct drivers of biodiversity loss.

Through its activities, an organization can use natural resources as an input to its production processes (e.g., sand used in a construction project) or produce non-product outputs (e.g., pollutants or **greenhouse gas** emissions). These activities, responsible for the direct drivers of biodiversity loss, cause, contribute, or are directly linked to negative **impacts** on biodiversity.

Sometimes referred to as 'pressures' or 'impact drivers', direct drivers of biodiversity loss unequivocally influence biodiversity and ecosystem processes. Direct drivers of biodiversity loss can be natural and anthropogenic (i.e., caused by human activities).

The direct drivers of biodiversity loss considered in this disclosure reflect those identified through the IPBES global assessment, including climate change, invasive alien species, land and sea use change, overexploitation of resources, and pollution. These direct drivers can also lead to the fragmentation and degradation of ecosystems, which threaten biodiversity. The organization can use the **IUCN Threat Classification Scheme** to identify the direct drivers of biodiversity loss responsible for its most significant impacts.

Information on the activities responsible for the direct drivers of biodiversity loss should inform decisions on how the mitigation hierarchy could be applied to manage biodiversity-related impacts. See **Disclosure 304-5** for more information on the mitigation hierarchy. The organization's actions to

459 mitigate direct drivers of biodiversity loss and actions resulting in biodiversity gains (e.g., when the
460 organization implements restoration) are reported under 304-5-a.

461 Under 304-2-b, 304-2-c-i, 304-2-d-i, and 304-2-e-i, the organization is required to describe the
462 activities responsible for the introduction of invasive alien species, land and sea use change,
463 overexploitation of resources, and pollution.

464 These requirements include activities of the organization and its suppliers that lead or could lead to
465 cumulative impacts (e.g., the organization's water withdrawal, combined with the water withdrawal of
466 another organization, has a significant impact on biodiversity).

467 They also include activities of third parties that result from the presence of an organization's activities
468 or its suppliers' activities and that lead or could lead to significant impacts on biodiversity. For
469 example, people moving to the area where a new project site will open (e.g., migrants cut down a
470 forest to make space for their houses and crops) or people using new transport routes associated with
471 the development of a new project site (e.g., people hunt for bushmeat in areas that were not
472 accessible before). It is required to describe the activities of third parties that are responsible for these
473 direct drivers of biodiversity loss. It is not required to report the information under 304-2-c-ii, 304-2-d-
474 ii, and 304-2-e-ii resulting from the activities of third parties.

475 For invasive alien species, land and sea use change, overexploitation of resources, and pollution, the
476 organization needs to report the information only for the direct drivers of biodiversity loss relevant to
477 the operational sites reported under 304-1-b and 304-1-c. These direct drivers of biodiversity loss can
478 vary by operational site. For example, in site A, the drivers of biodiversity loss are invasive alien
479 species and pollution, and in site B, the driver of biodiversity loss is land and sea use change. In this
480 case, the organization only needs to report the information on invasive alien species and pollution for
481 site A, and on land and sea use change for site B.

482 If the location reported under 304-1-c is a country, jurisdiction, or location within the country or
483 jurisdiction, the organization can use secondary or modeled data to report information on the direct
484 drivers of biodiversity loss and explain this under 304-2-g.

485 If the precise location of its suppliers' operational sites is known (i.e., coordinates, maps, or polygon
486 outlines), the organization should use primary data to report information on the direct drivers of
487 biodiversity loss and explain this under 304-2-g.

488 For an example of how to present information on requirements in Disclosure 304-2, see [Table 2](#).

489 See references [10], [21], [28], and [30] in the [Bibliography](#).

490 **Guidance to 304-2-a**

491 Climate change alters the distribution, functioning, and interactions of species, reducing the capacity
492 of ecosystems to adapt. Climate change leads to changes in temperatures and weather patterns that,
493 in turn, affect species' habitats, food supply, migration patterns, and breeding seasons, among others.
494 Sea level rise and ocean acidification also negatively affect marine organisms.

495 The greenhouse gas emissions emitted on a particular operational site do not lead to biodiversity loss
496 in the direct vicinity of this site, but they contribute to the global change in climate that drives
497 biodiversity loss. Therefore, an organization's greenhouse gas emissions, together with greenhouse
498 gas emissions from other organizations, contribute to climate change as a direct driver of biodiversity
499 loss.

500 **Guidance to 304-2-b**

501 Invasive alien species are animals, fungi and plants that are introduced, accidentally or deliberately,
502 to an area outside of their natural geographical range and cause serious negative impacts on local
503 biodiversity. Invasive alien species negatively affect biodiversity as they often lack predators in their
504 new environment, allowing them to spread and become more abundant. They can carry diseases,
505 outcompete or prey on native species, alter food chains, and change ecosystems by, for example,
506 altering soil composition or creating habitats that are vulnerable to wildfires. These impacts can lead
507 to local or global extinctions of species.

508 This disclosure does not cover the introduction of non-invasive alien species.

509 Activities responsible for introducing invasive alien species include those that have or could have
510 introduced such species, such as transport and discharge of ballast waters. The organization should
511 report the type of species when describing the activities responsible for introducing invasive alien
512 species. For example, an organization transports ornamental plants to new areas, thereby introducing
513 an invasive alien insect species.

514 See reference [20] in the [Bibliography](#).

515 **Guidance to 304-2-c**

516 Land and sea use change refers to a change in the use or management of land and seascapes by
517 humans, which may lead to a change in land cover. In this disclosure, ecosystem conversion is used
518 to report land and sea use change.

519 This requirement covers the conversion of natural ecosystems. The organization should also report
520 the information required under 304-2-c-i and 304-2-c-ii for modified ecosystems that are converted by
521 its activities or the activities of its suppliers. Modified ecosystems are areas that may contain a large
522 proportion of plant and/or animal species of non-native origin, and/or where human activity has
523 substantially modified an area's primary ecological functions and species composition. For example,
524 an organization may acquire land occupied by agroforestry practices and convert it to urban
525 settlements.

526 See reference [18] in the [Bibliography](#).

527 **Guidance to 304-2-c-ii**

528 The organization should report which ecosystem classification it uses to identify the types of
529 ecosystems. The organization can report ecosystem types using the biomes or ecosystem functional
530 groups in the [IUCN Global Ecosystem Typology](#). Alternatively, the organization can report according
531 to a national classification or register. The organization can also report the type of ecosystem after
532 conversion.

533 Ecosystem size refers to the size of the ecosystems within the operational sites, reported under 304-
534 1-b and 304-1-c, which have been converted.

535 The Accountability Framework defines a cut-off date as 'the date after which deforestation or
536 conversion renders a given area or production unit non-compliant with no-deforestation or no-
537 conversion commitments, respectively'. Cut-off dates may differ between commodities (e.g., palm oil,
538 rubber, and soy) and regions. Appropriate cut-off dates can be selected based on sector-wide or
539 regional cut-off dates or those specified in certification programs and legislation, or based on the
540 availability of monitoring data. More guidance on identifying appropriate cut-off dates can be found in
541 [Accountability Framework Operational Guidance on Cut-off Dates](#).

542 The organization should report the selected cut-off or reference dates and explain why it has
543 determined them as appropriate.

544 If the organization cannot report the size of the ecosystem converted in its supply chain, it can report
545 the percentage of volume sourced from suppliers determined to be conversion- or deforestation-free
546 by product and describe the assessment methods used. Deforestation is a form of ecosystem
547 conversion. Assessment methods can include monitoring, certification, sourcing from low-risk
548 jurisdictions with no or negligible recent conversion, or sourcing from verified suppliers. To be deemed
549 conversion- or deforestation-free, products must be assessed as not causing or contributing to
550 ecosystem conversion, including deforestation, after an appropriate cut-off date.

551 See references [7] and [23] in the [Bibliography](#).

552 **Guidance to 304-2-d**

553 Overexploitation of natural resources is associated with increased extraction rates of natural
554 resources beyond sustainable levels. Resources that an organization may overexploit include wild
555 animal and plant species and other natural resources such as water. The organization is only required
556 to report on the resources that lead to its most significant impacts on biodiversity.

557 **Guidance to 304-2-d-ii**

558 The quantity of wild animal and plant species includes those harvested, sourced, and incidentally
559 taken.

560 To report on the extinction risk of a species, the organization can use information from the IUCN Red
561 List of Threatened Species. The organization can also report whether the wild animal or plant species
562 is listed in one of the CITES Appendices. Species listed as vulnerable, endangered, or critically
563 endangered under the IUCN Red List of Threatened Species or listed in the CITES appendices, are
564 more likely to be overexploited. For example, an organization sourced two metric tons of Southern
565 Bluefin Tuna, an endangered species, and one metric ton of Blacktip Shark, a vulnerable species.

566 When the organization overexploits water, it should report the total volume of water withdrawal and
567 water consumption in megaliters from areas with water stress. The organization should refer to
568 Disclosures 303-3 Water withdrawal and 303-5 Water consumption in *GRI 303: Water and Effluents*
569 *2018*² to report the quantity of water used at each operational site in areas with water stress.

570 See references [11] and [21] in the [Bibliography](#).

571 **Guidance to 304-2-e-i**

572 Pollutants to air, water, and soil include substances (e.g., heavy metals, pesticides, solid waste) and
573 other pollutants such as heat, light, noise, or vibrations.

574 The organization can provide a high-level description of how the pollution generated by its activities or
575 by the activities of its suppliers leads to or can lead to an impact on biodiversity. For example, the
576 organization can describe how the release of nitrogen fertilizers to surface water contributes to
577 eutrophication in nearby waterbodies, resulting in the decline in local fish populations. It can also
578 describe how noise or light created by an activity can disrupt wildlife species' breeding or migration
579 behavior, resulting in a decline in the size of the location population.

580 **Guidance to 304-2-e-ii**

581 The organization is only required to report the type and quantity of pollutants that lead to the most
582 significant impacts on biodiversity. The organization should use information from Disclosure 305-7
583 Nitrogen oxides (NO_x), sulfur oxides (SO_x), and other significant air emissions in *GRI 305: Emissions*
584 *2016* to report its non-GHG air emissions. The organization should use information from Disclosure
585 303-4 Water discharge in *GRI 303: Water and Effluents 2018*, Disclosure 306-3 Significant spills in
586 *GRI 306: Effluents and Waste 2016*, and Disclosure 306-5 Waste directed to disposal in *GRI 306:*
587 *Waste 2020* to report on its soil and water pollution³. For noise pollution, the organization should
588 report the decibels above the normal level and the duration of noise produced. For light pollution, the
589 organization should report the lumens and duration of light produced.

590 The organization can use additional authoritative sources of information, for example, the TNFD
591 Framework, to report on its pollution levels in cases where other GRI Topic Standards do not cover
592 this.

593 See reference [28] in the [Bibliography](#).

594 **Guidance to 304-2-g**

595 The organization is required to explain which methodologies it has used to measure the impacts of its
596 activities and its suppliers. Examples of methodologies include field surveys, supplier surveys, and life
597 cycle assessments. Methodologies to collect data on the direct drivers of biodiversity loss rely on
598 primary, secondary, or modeled data. Primary data is collected on-site through direct approaches
599 such as field surveys. Secondary data has already been collected and can be used by the

² The disclosures from other Topic Standards do not require information to be reported by operational site; they require aggregate information. The organization can refer to the original data sources used to compile the information for these disclosures to obtain the data by operational site. The disclosures from other Topic Standards do not require information to be reported for suppliers. However, the organization can use these disclosures to report this information for suppliers' operational sites.

³ The disclosures from other Topic Standards do not require information to be reported by operational site; they require aggregate information. The organization can refer to the original data sources used to compile the information for these disclosures to obtain the data by operational site. The disclosures from other Topic Standards do not require information to be reported for suppliers. However, the organization can use these disclosures to report this information for suppliers' operational sites.

600 organization. The organization can use modeled data to estimate the direct drivers of biodiversity loss
601 in the absence of primary or secondary data.

This document does not represent an official position of the GSSB

602 Disclosure 304-3 State of biodiversity

603 REQUIREMENTS

604 The organization shall:

- 605 a. for each site reported under 304-1-b, report the following information on affected or
606 potentially affected ecosystems for the baseline and the current reporting period:
- 607 i. the ecosystem types;
 - 608 ii. the ecosystem size in hectares;
 - 609 iii. the ecosystem condition;
- 610 b. for each site reported under 304-1-b, report the following information on affected or
611 potentially affected species for the baseline and the current reporting period:
- 612 i. the species name;
 - 613 ii. the species extinction risk;
- 614 c. for each site reported under 304-1-c, report the condition of ecosystems that are or could
615 be affected by its suppliers' activities;
- 616 d. report contextual information necessary to understand how the data has been compiled,
617 such as any standards, methodologies, and assumptions used.

618 GUIDANCE

619 This disclosure provides information about the changes in the state of biodiversity resulting from the
620 organization's activities and the activities of its suppliers. The state of biodiversity is the holistic quality
621 and condition of the components of biodiversity (genes, species, and ecosystems). Reporting on
622 changes in genetic diversity is not included in the scope of this disclosure.

623 The organization can organize the information on the state of biodiversity into structured biodiversity
624 accounts by providing statements of position and performance according to the [Biological Diversity
625 Protocol](#), if the information is available. Biodiversity accounts enable more accurate monitoring of
626 gains and losses of biodiversity over time. They are also useful in tracking progress against targets to
627 halt and reverse the loss of biodiversity.

628 For an example of how to present information on requirements in Disclosure 304-3, see [Table 3](#).

629 See reference [13] in the [Bibliography](#).

630 Guidance to 304-3-a

631 This requirement provides information on the type, size, and condition of ecosystems affected and
632 potentially affected by all direct drivers of biodiversity loss reported under 304-2. Information on the
633 type and size of ecosystems affected by land and sea use change is reported under 304-2-c.

634 When reporting information on the ecosystem affected and potentially affected, the organization
635 needs to consider the area affected by its activities within the sites reported under 304-1-b and
636 beyond, if relevant. Ecosystems affected or potentially affected include natural ecosystems and
637 ecosystems modified by human activities. The state of the overall ecosystem within which the sites
638 are located is not required for reporting. For example, an organization owns a soy plantation in the
639 Amazon. The organization is required to report information on the type, size, and condition of the
640 ecosystems in the area affected by the organization, not the entire Amazon.

641 By providing baseline information and information for the current reporting period, the organization
642 reports on the changes in the state of biodiversity to provide insights into the overall health of the
643 ecosystem it affects or potentially affects over time. This information can help inform the
644 organization's strategy to manage its impacts on biodiversity.

645 Guidance to 304-3-a-i

646 The organization should report which ecosystem classification it uses to identify the types of
647 ecosystems. The organization can report ecosystem types using the biomes or ecosystem functional

648 groups in the [IUCN Global Ecosystem Typology](#). Alternatively, the organization can report according
649 to a national classification or register.

650 See reference [23] in the [Bibliography](#).

651 **Guidance to 304-3-a-ii**

652 Ecosystem size, also referred to as ecosystem extent, refers to the spatial area of the ecosystem
653 affected or potentially affected by the organization's activities through its contribution to the direct
654 drivers of biodiversity loss reported under 304-2.

655 **Guidance to 304-3-a-iii**

656 Ecosystem condition can provide information on the ecological integrity and intactness of the
657 ecosystem and its capacity to supply ecosystem services now and in the future. It is measured by the
658 following characteristics: ecosystem composition, function, type of landscape or seascape, physical
659 condition, and structure.

660 The organization should identify the most relevant ecosystem characteristics. It should use indicators
661 that reflect the direct drivers of biodiversity loss. For example, if an organization affects the condition
662 of a forest by harvesting timber, it can report the number of trees per hectare, the age of trees, and
663 the percentage of trees with diseases as key indicators to determine the overall condition of the
664 forest.

665 Examples of indicators to measure ecosystem condition are the Biodiversity Intactness Index,
666 Ecosystem Integrity Index, Mean Species Abundance, and Potentially Disappeared Fraction. The
667 organization should explain how it has measured the ecosystem condition under 304-3-d.

668 The organization can also report by using quality-adjusted hectares, a standard measurement of
669 ecosystem condition. Quality-adjusted hectares measurement combines the ecosystem size with a
670 measure of the ecosystem condition compared to a reference state. It can be used to develop
671 biodiversity accounts. The organization can use the [Biological Diversity Protocol](#) and [UNSEEA's
672 Ecosystem Accounting](#) when using quality-adjusted hectares.

673 The baseline is used to measure the changes in the state of biodiversity over time. The organization
674 should report how it has determined the baseline under 304-3-d. For instance, the baseline may be a
675 pristine or intact ecosystem, the use of sectorial or location cut-off dates, the start of an organization's
676 activities, or the organization's commitments, including no net loss or net gain of biodiversity. The
677 organization can refer to the cut-off dates for land and sea use change reported under 304-2-c. The
678 organization should report the year corresponding to the baseline.

679 See references [], [28], and [32] in the [Bibliography](#).

680 **Guidance to 304-3-b**

681 In addition to ecosystem size and condition, information on species affected or that could be affected
682 by the organization provides a better understanding of its impacts on biodiversity.

683 The organization is not required to report information for all species. The organization is only required
684 to report information on species identified as affected or potentially affected that meet any of the
685 following criteria:

- 686 • are sensitive to the organization's activities and the drivers of biodiversity loss;
- 687 • are legally protected by local, national, or international laws and conventions;
- 688 • are a priority species at the local, national, or international level (e.g., a species listed as
689 threatened on the international IUCN Red List);
- 690 • have a critical role in the ecosystem;
- 691 • have a significant cultural or economic role for stakeholders (e.g., hunting, harvesting,
692 pollination).

693 The organization can report additional information on species, such as population size. Population
694 size can be measured by the number of mature individuals or the number of breeding pairs. When the
695 population size is unavailable, the organization can report the habitat size or population trends.

696 **Guidance to 304-3-b-ii**

697 The international, regional, and national IUCN Red Lists are key tools in determining the species
698 extinction risk. The IUCN Red Lists classify species extinction risk as critically endangered,
699 endangered, vulnerable, near threatened, and least concerned. The extinction risk of a species may
700 differ at the global, regional, and national levels. For example, a species is listed as threatened on a
701 national level while being listed as least concerned at the global level. The organization must report all
702 extinction risks if a species is on the global, regional, or national IUCN Red Lists.

703 See reference [21] in the [Bibliography](#).

704 **Guidance to 304-3-c**

705 For each location reported under 304-1-c, the organization should report the information on
706 ecosystem condition specified under requirement 304-3-a-iii. If the location reported under 304-1-c is
707 a country, jurisdiction, or location within the country or jurisdiction, the organization can use
708 secondary or modeled data to report information on ecosystem condition and explain this under 304-
709 3-d.

710 If the precise location of its suppliers' operational sites is known (i.e., coordinates, maps, or polygon
711 outlines), the organization should report the information on ecosystem type, size, and condition
712 specified under requirement 304-3-a. The organization should also report information on species
713 name and extinction risk as specified under requirement 304-3-b.

714 **Guidance to 304-3-d**

715 The organization is required to explain which methodologies it has used to measure the impacts of its
716 activities and its suppliers. Examples of methodologies include field surveys, supplier surveys, and life
717 cycle assessments. Methodologies to collect data on the state of biodiversity rely on primary,
718 secondary, or modeled data. Primary data is collected on-site through direct approaches such as field
719 surveys. Secondary data has already been collected and can be used by the organization. The
720 organization can use modeled data to estimate the state of biodiversity in the absence of primary or
721 secondary data.

722 Modeled data are issued from models that quantify how the magnitude of different direct drivers of
723 biodiversity loss affects the state of biodiversity. These models use globally collected data, and the
724 results are applied locally to estimate how the organization's activities can cause or contribute to
725 changes in ecosystem condition. They include geospatial data layers that can be used to identify
726 changes in the size and condition of ecosystems, such as the level of habitat fragmentation and
727 connectivity, or identify species that may be present at specific sites.

728 Disclosure 304-4 Ecosystem services

729 REQUIREMENTS

730 The organization shall:

- 731 a. for each site reported under 304-1-b, list the significant ecosystem services and
732 beneficiaries that are or could be affected by the organization's activities;
- 733 b. for each site reported under 304-1-c, list the significant ecosystem services and
734 beneficiaries that are or could be affected by the suppliers' activities;
- 735 c. explain how the ecosystem services and beneficiaries are or could be affected.

736 GUIDANCE

737 Ecosystem services are commonly divided into the following categories: provisioning services,
738 regulating and maintenance services, and cultural services. Provisioning services contribute to
739 benefits extracted or harvested from ecosystems (e.g., timber in a forest, freshwater from a river, or
740 food from agroecosystems). Regulating and maintenance services result from the ability of
741 ecosystems to regulate biological processes and influence climate, hydrological, and biochemical
742 cycles, thereby maintaining environmental conditions beneficial to people (e.g., forests preventing soil
743 erosion). Cultural services are the non-material benefits people (beneficiaries) obtain from
744 ecosystems through spiritual enrichment, cognitive development, reflection, recreation, and aesthetic
745 experiences (e.g., the recreational value of a forest or a cultural heritage landscape that is of
746 importance for a local community).

747 Biodiversity plays an important role in maintaining the quality, quantity, and resilience of ecosystems
748 and it provides ecosystem services that beneficiaries rely upon now and in the future. The diversity of
749 genes, species, and ecosystems provides a greater range of ecosystem service options. In addition,
750 the presence of a diversity of organisms (e.g., multiple species or the genetic diversity within them)
751 performing a given function within an ecosystem boosts the ability of that ecosystem to maintain
752 functionality and supply ecosystem services. A change in the state of biodiversity can lead to changes
753 in ecosystem services. This, in turn, can have an impact on the beneficiaries of these ecosystem
754 services.

755 This disclosure gives insight into the ecosystem services and beneficiaries that are or could be
756 affected by the organization and its suppliers, resulting from the impacts on biodiversity reported
757 under Disclosure 304-3. It does not cover ecosystem services that the organization or its suppliers
758 depend on that are or could be affected by others, such as governments, local communities, or other
759 organizations.

760 The organization can use the Natural Capital Finance Alliance's [ENCORE](#) and TNFD guidance, which
761 draws on the United Nations' [SEEA Ecosystem Accounting](#), to identify ecosystem services.

762 ENCORE lists the ecosystem services by sector and indicates their importance to the sector. SEEA
763 Ecosystem Accounting lists ecosystem services in Table 6.3: Reference list of selected ecosystem
764 services. It also lists ecosystem services in Annex 6.1: Initial logic chains for selected ecosystem
765 services and links them to common ecosystem types and main beneficiaries.

766 See references [4], [24], [25], and [28] in the [Bibliography](#).

767 Guidance to 304-4-a and 304-4-b

768 An organization's activities and the activities of its suppliers can have negative or positive impacts on
769 the provision of ecosystem services resulting from their impacts on biodiversity. A negative impact
770 can lead to a decrease in the quantity, quality, and resilience of the services provided by these
771 ecosystems. Conversely, a positive impact on ecosystems can lead to an increase in the quantity,
772 quality, and resilience of the services they provide. This can have an impact on the beneficiaries of
773 these ecosystem services.

774 Requirements 304-4-a and 304-4-b entail listing the ecosystem services affected or that could be
775 affected by the organization and its suppliers, respectively, and the beneficiaries of these ecosystem
776 services. Beneficiaries can include indigenous peoples, local communities, and other organizations. It
777 can also include the organization and its suppliers.

778 If the information is available, the organization should also list the ecosystem services and their
779 beneficiaries, which are affected or could be affected by the activities of its downstream entities.

780 The organization is not required to list all ecosystem services that are affected or could be affected by
781 its activities and its suppliers' activities, only those that are significant. It is up to the organization to
782 determine which ecosystem services it considers significant to report under 304-4-a and 304-4-b. The
783 organization should explain how it has determined which ecosystem services are significant. See
784 Table 13 in the TNFD framework beta v0.2 for more information on identifying significant ecosystem
785 services.

786 For example, a community of indigenous peoples depends on pollination services to fertilize their
787 crops. A decline in the number of bees caused by the organization's activities can lead to a decrease
788 in pollination services. If the crops are not properly pollinated, they may not bear fruit. This ecosystem
789 service is significant for the community of indigenous peoples as it sustains their livelihoods.

790 See reference [28] in the [Bibliography](#).

791 **Guidance to 304-4-c**

792 Requirement 304-4-c entails explaining how the ecosystem services reported under 304-4-a and 304-
793 4-b are affected or could be affected by the organization and its suppliers.

794 The organization can explain whether the ecosystem services have decreased or increased. The
795 organization can also explain how its activities, or the activities of its suppliers, lead to a change in
796 ecosystem services and what is the impact of that change on the beneficiaries. For example, the
797 organization can explain that cutting trees in the forest has resulted in a decrease in food provisioning
798 services, which has a negative impact on the local community that needs to find an alternate food
799 source. In another example, the organization can explain that switching to agroforestry has resulted in
800 an increase in soil erosion control services, which has a positive impact on the local community that
801 will face fewer risks from flooding.

802 Disclosure 304-5 Management of biodiversity-related 803 impacts

804 REQUIREMENTS

805 The organization shall:

- 806 a. describe actions taken to manage the direct drivers of biodiversity loss reported under
807 Disclosure 304-2 using the mitigation hierarchy, including:
- 808 i. actions to avoid negative impacts;
 - 809 ii. actions to minimize negative impacts;
 - 810 iii. actions to restore ecosystems;
 - 811 iv. actions to offset residual negative impacts;
 - 812 v. transformative actions, including additional conservation actions;
- 813 b. report the percentage of sites reported under 304-1-b with management plans that
814 describe how the actions taken are implemented;
- 815 c. report whether and how it enhances synergies and reduces trade-offs between actions
816 taken to manage its biodiversity impacts and its climate change impacts;
- 817 d. report contextual information necessary to understand how the data has been compiled,
818 such as any standards, methodologies, and assumptions used.

819 GUIDANCE

820 This disclosure provides information on the actions taken to manage the organization's direct drivers
821 of biodiversity loss and its impacts on the state of biodiversity and ecosystem services reported under
822 Disclosures 304-3 and 304-4.

823 The mitigation hierarchy is a tool for managing an organization's impacts related to biodiversity. It
824 consists of a hierarchy of steps, including avoidance, minimization, restoration, and offset. An
825 organization should prioritize actions to avoid negative impacts and minimize those impacts when
826 avoidance is not possible. Restoration measures should be implemented when negative impacts
827 cannot be avoided or minimized. Offsetting measures may also be applied to residual negative
828 impacts only after all other measures have been applied. Building on the mitigation hierarchy, the
829 SBTN's Action Framework covers actions to avoid potential negative impacts, reduce actual negative
830 impacts, regenerate and restore ecosystems, and transform the socio-economic systems in which
831 organizations are embedded.

832 See references [8], [18], and [26] in the [Bibliography](#).

833 Guidance to 304-5-a

834 This requirement covers actions to manage impacts from the organization's own activities and its
835 suppliers. It also covers actions taken to manage impacts at an operational site, other specific
836 geographic locations, and at the organizational level (e.g., a ban on sourcing a certain product across
837 the entire organization).

838 The organization should describe the traceability mechanisms it uses to source products from
839 ecosystems managed to maintain or enhance biodiversity and avoid ecosystem conversion and
840 overexploitation of resources. The organization should describe actions taken to improve traceability
841 and explain whether it sources products certified by a third party. Third-party certification can provide
842 assurance that the products sourced adhere to sustainable management practices. The organization
843 should explain how these certification schemes help manage impacts on biodiversity, as they use
844 different criteria related to biodiversity conservation.

845 The organization should also describe how it works with its suppliers to manage their negative
846 impacts on biodiversity. Where applicable, the organization should also describe actions taken to
847 ensure marine resources' conservation and sustainable use in areas beyond national jurisdictions.

848 The organization should also describe how it works with other organizations and stakeholders to
849 manage their impacts, including their cumulative impacts and impacts caused by third parties that
850 result from the presence of an organization's activities or its suppliers' activities. For example, people
851 moving to the area where a new project site will open (e.g., migrants cut down a forest to make space
852 for their houses and crops) or people using new transport routes associated with the development of
853 a new project site (e.g., people hunt for bushmeat in areas that were not accessible before). In such
854 cases, an organization can describe, for example, how it works with the government to limit the use of
855 transport routes by third parties.

856 **Guidance to 304-5-a-i**

857 Avoidance measures are taken to anticipate and prevent negative impacts on biodiversity before
858 actions or decisions are taken that could lead to such impacts. This includes canceling activities that
859 generate irremediable biodiversity losses where there is no viable lower-impact alternative, such as
860 alternative geographic locations, technologies, or time periods. For example, an organization may
861 decide against expanding its operational site to avoid negative impacts on the breeding grounds of
862 threatened species adjacent to the site.

863 Avoidance is often the easiest, most effective way of preventing potential negative impacts and
864 should therefore be prioritized ahead of other steps of the mitigation hierarchy.

865 The organization can explain if it avoids activities in or near no-go areas, which include protected
866 areas, Key Biodiversity Areas, or Indigenous Peoples' and Community Conserved Territories and
867 Areas.

868 See reference [12] in the [Bibliography](#).

869 **Guidance to 304-5-a-ii**

870 Actions taken to minimize negative impacts on biodiversity aim to reduce the duration, intensity, and
871 extent of impacts that cannot be completely avoided to the extent possible.

872 If the organization's or its suppliers' activities lead to ecosystem fragmentation, the organization
873 should report actions taken to minimize fragmentation, such as designing biological corridors or
874 implementing other measures to improve connectivity between ecosystems or species. Other
875 examples of actions taken to minimize biodiversity-related impacts are the adoption of biodiversity-
876 friendly land management practices and actions to eradicate invasive alien species.

877 See references [9] and [18] in the [Bibliography](#).

878 **Guidance to 304-5-a-iii**

879 Restoration actions occur within the area affected by the organization's activities or the activities of its
880 suppliers to rehabilitate degraded ecosystems and restore converted ecosystems when negative
881 impacts cannot be avoided or minimized. The [UN Decade on Ecosystem Restoration](#) has identified
882 principles that detail best practices for restoring degraded land, freshwater, and marine ecosystems.

883 The organization should specify whether the restoration actions are implemented while the activities
884 of the organization or its suppliers are ongoing or after the activities have ended (e.g., restoration
885 actions taken after the closure of an operational site). The organization should specify if the
886 restoration actions are planned or already being implemented. It should also provide information on
887 the species and ecosystems targeted through these actions.

888 For each operational site reported under 304-1-b, the organization should report the size of the area
889 restored and the ratio of the area restored to the area affected by its activities. An area is considered
890 restored when restoration actions have either returned the environment to its original state, or to a
891 state where it has a healthy and functioning ecosystem.

892 See references [9] and [14] in the [Bibliography](#).

893 **Guidance to 304-5-a-iv**

894 Offsets are management interventions outside of the areas affected by the organization's activities or
895 the activities of its suppliers. These can include the restoration of degraded ecosystems or actions
896 taken to reduce or stop biodiversity loss in areas where this is predicted. The organization should
897 explain whether it identifies, designs, and manages offsets according to applicable national legislation

898 or international best practice, such as the [business and biodiversity offsets program \(BBOP\) Standard](#)
899 [on Biodiversity Offsets](#).

900 The organization should specify if the actions to offset negative impacts are planned or are already
901 being implemented. It should also provide information on the species and ecosystems targeted
902 through these actions.

903 For each operational site reported under 304-1-b, the organization should report the area size used to
904 offset its residual negative impacts.

905 See references [9] and [29] in the [Bibliography](#).

906 **Guidance to 304-5-a-v**

907 Transformative actions are actions taken to contribute to systemic change inside and outside the
908 organization's value chain to generate positive impacts on biodiversity. They aim to alter the drivers of
909 biodiversity loss through technological, economic, institutional, and social factors with changes in
910 underlying values and behaviors. Transformative actions can happen before, during, and after other
911 avoidance, minimization, restoration, and offset actions. The organization can describe how it ensures
912 that its business model is compatible with the transition to halt and reverse the loss of biodiversity, or
913 what are the steps taken to transition to a circular economy. It can also report the proportion by value
914 of its products that enable the transition to halt and reverse the loss of biodiversity.

915 Additional conservation actions include actions taken in collaboration with partners to conserve or
916 restore biodiversity. These actions are not implemented to compensate for the organization's negative
917 impacts and take place outside of the area affected by the organization's activities or the activities of
918 its suppliers.

919 **Guidance to 304-5-c**

920 Synergies include actions taken to protect biodiversity that contribute to climate change mitigation.
921 Actions can also improve the capacity of species or ecosystems to adapt to unavoidable climate
922 change impacts.

923 In contrast, negative trade-offs include climate change mitigation actions that result in biodiversity
924 loss. For example, forestation of an area with non-native species may mitigate climate change
925 through the absorption of greenhouse gases but it may also result in the loss of biodiversity or
926 ecosystem services that flow from the affected ecosystems. The organization is only required to
927 report how it enhances synergies and reduces trade-offs between actions taken to manage its
928 biodiversity and climate change impacts when this is the case.

929 **Disclosure 304-6 Halting and reversing the loss of**
930 **biodiversity**

931 **REQUIREMENTS**

932 **The organization shall:**

- 933 a. **describe its policies on and commitments to halt and reverse the loss of biodiversity in**
934 **line with the 2050 Goals and 2030 Targets in the Convention on Biological Diversity's post-**
935 **2020 Global Biodiversity Framework;**
- 936 b. **describe the extent to which these policies and commitments apply to the organization's**
937 **activities, its suppliers, and its downstream entities;**
- 938 c. **report the goals, targets, base year, and indicators used to evaluate progress, including**
939 **whether and how the targets have been defined using a science-based approach;**
- 940 d. **describe how it addresses the negative impacts of the transition to halt and reverse the**
941 **loss of biodiversity on workers and local communities.**

942 **GUIDANCE**

943 The 2050 vision for biodiversity of the Conference on Biological Diversity is 'a world of living in
944 harmony with nature' where 'by 2050, biodiversity is valued, conserved, restored and wisely used,
945 maintaining ecosystem services, sustaining a healthy planet and delivering benefits essential for all
946 people'. The first draft of the Convention on Biological Diversity's post-2020 Global Biodiversity
947 Framework recognizes the need to stabilize biodiversity loss by 2030 and to fully recover natural
948 ecosystems by 2050 to achieve its vision. It proposes four goals for 2050 (2050 Goals) with related
949 targets (2030 Targets) to incentivize action in three areas: reducing threats to biodiversity, meeting
950 people's needs through sustainable use and benefit-sharing, and tools and solutions for
951 implementation and mainstreaming.

952 To contribute to this vision, which seeks to balance and outweigh the negative impacts on
953 biodiversity, the organization needs to apply the mitigation hierarchy to inform its actions to manage
954 its impacts on biodiversity. The organization reports how it applies the mitigation hierarchy under
955 Disclosure 304-5.

956 If the organization has described its policies or commitments to halt and reverse the loss of
957 biodiversity under Disclosure 2-23 in *GRI 2: General Disclosures 2021* or under 3-3-c in *GRI 3:*
958 *Material Topics 2021*, it can provide a reference to this information under 304-6-a and does not need
959 to repeat the information. In this Standard, policies on and commitments to halt and reverse the loss
960 of biodiversity also cover policies on and commitments to nature positive, net positive impact, and no
961 net loss and net gain of biodiversity.

962 See references [2] in the [Bibliography](#).

963 **Guidance to 304-6-b**

964 If the policies and commitments apply to all of the organization's activities, suppliers, and downstream
965 entities equally, a brief statement of this fact is sufficient to comply with the requirement.

966 If the policies and commitments apply to only some of the organization's activities, suppliers, or
967 downstream entities (e.g., they apply only to entities located in certain countries or to certain
968 subsidiaries), the organization should report which activities, suppliers, or downstream entities the
969 policies and commitments apply to. It can also explain why the policies and commitments are limited
970 to these activities, suppliers, or downstream entities.

971 The organization should also explain whether the suppliers and downstream entities are obligated to
972 abide by the policies and commitments or are encouraged (but not obligated) to do so. It can also
973 explain if the policies and commitments apply to other business relationships.

974 **Guidance to 304-6-c**

975 The organization is required to explain how it has used best available science to set targets, including
976 information related to appropriate local sustainability contexts.

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977 Disclosure 304-7 Access and benefit-sharing

978 REQUIREMENTS

979 The organization shall:

- 980 a. report the number of access and benefit-sharing permits obtained and the country where
981 they have been obtained;
- 982 b. report the number of access and benefit-sharing agreements established and the country
983 where they have been established;
- 984 c. describe the type and amounts of monetary and non-monetary benefits shared and how
985 they are distributed and monitored;
- 986 d. describe how the monetary and non-monetary benefits shared support indigenous
987 peoples, local communities, and the conservation and sustainable use of biodiversity;
- 988 e. describe how patents for inventions based on or derived from the utilization of genetic
989 resources or associated traditional knowledge align with access and benefit-sharing
990 principles.

991 GUIDANCE

992 This disclosure provides information on how the organization respects national legal requirements to
993 achieve the fair and equitable sharing of benefits arising from utilizing genetic resources and the
994 associated traditional knowledge.

995 This disclosure is relevant to an organization conducting research and development on the genetic or
996 biochemical composition of genetic resources.

997 The fair and equitable sharing of benefits arising from the utilization of genetic resources is one of the
998 three objectives of the Convention on Biological Diversity. The Nagoya Protocol further builds on the
999 provisions of the Convention on Biological Diversity to set out the obligations of governments in
1000 relation to access and benefit-sharing. In order to meet their obligations under the Nagoya Protocol,
1001 governments must adopt legislative, administrative, or policy measures which set out national access
1002 and benefit-sharing requirements and procedures. Organizations interested in accessing or using
1003 genetic resources and associated traditional knowledge must follow the relevant national
1004 requirements and procedures.

1005 See references [1] and [3] in the [Bibliography](#).

1006 Guidance to 304-7-a

1007 The organization is required to report the number of permits obtained from the competent national
1008 authority in the country where the genetic resources were accessed.

1009 If there is a change of intent in utilizing genetic resources and associated traditional knowledge, a new
1010 permit is needed to ensure prior informed consent and the negotiation of new mutually agreed terms.
1011 For example, when genetic resources used in academic research lead to a commercial application. In
1012 this case, an organization reports two permits.

1013 Guidance to 304-7-b

1014 The organization is required to report the number of agreements established in cases when countries
1015 have not yet recognized legal access and benefit-sharing measures.

1016 The organization should also describe how mutually agreed terms were achieved, prior informed
1017 consent obtained, and if they align with internationally recognized principles of ensuring dialogue,
1018 participation, complete and accessible information, and respect for customary laws and practices. The
1019 organization should describe how prior informed consent was obtained from indigenous peoples and
1020 local communities to access traditional knowledge.

1021 If there is a change of intent in utilizing genetic resources and associated traditional knowledge, a new
1022 agreement is needed to ensure prior informed consent and the negotiation of new mutually agreed
1023 terms. For example, when genetic resources used in academic research lead to a commercial
1024 application. In this case, an organization reports two agreements.

1025 The organization should report if it has established a new agreement with the providers to ensure
1026 prior informed consent and the negotiation of new mutually agreed terms if there is a change of intent
1027 in utilizing genetic resources and associated traditional knowledge.

1028 Where applicable, the organization can report if it has established access and benefit-sharing
1029 agreements in areas beyond national jurisdictions and describe the mutually agreed terms.

1030 **Guidance to 304-7-c**

1031 The organization is required to describe the types and amounts of benefits shared between providers
1032 and users. Examples of monetary benefits are joint ownership of intellectual property rights, and
1033 sales-based royalties in licenses. Examples of non-monetary benefits are technology transfer, training
1034 and capacity-building for local researchers, joint authorship of publications, and community projects.
1035 In addition, the organization should report if the genetic resource is used for commercial or non-
1036 commercial purposes.

1037 The organization is required to describe how the benefits of utilizing genetic resources are shared
1038 with the providers. Providers can be the government, indigenous peoples, and local communities.

1039 In cases where the utilization of the genetic resources is transferred to a third party, the organization
1040 should report whether the mutually agreed terms include provisions to ensure the benefits continue to
1041 be shared with the providers.

1042 **Guidance to 304-7-e**

1043 Requirement 304-7-e covers publicly available patents, including pending applications.

1044 The organization should report the geographical location or source of genetic materials and
1045 associated traditional knowledge. If the organization has access and benefit-sharing permits or
1046 agreements, it should report whether its patents align with access and benefit-sharing principles laid
1047 out in those permits or agreements.

1048 See reference [33] in the [Bibliography](#).

1049 **Table 1. Example of template for presenting information for Disclosure 304-1**

1050 Table 1 offers an example of how to present information for Disclosure 304-1. The organization can
 1051 amend the table according to its practices, for example by reporting additional information.

Location of the organization’s operational sites with the most significant impacts on biodiversity and areas of high biodiversity value (requirements 304-1-b and 304-1-d)				
Site name	Location of operational site	Size of operational site	Area of high biodiversity value	Distance to area of high biodiversity value
[name or identifier]	[coordinates]	[hectares]	[name and type ⁴]	[distance ⁵]
Location of suppliers’ operational sites with the most significant impacts on biodiversity (requirement 304-1-c)				
Site name	Location of operational site			
[name or identifier]	[country or jurisdiction]			

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⁴ The type can be reported as follows: legally protected area, internationally recognized area, other area of high biodiversity value that is important to indigenous peoples and local communities, or other area of importance for biodiversity.

⁵ The organization is required to report the distance only in cases where the sites are near an area of high biodiversity value.

1052 **Table 2. Example of template for presenting information for Disclosure 304-2**

1053 Table 2 offers an example of how to present information for Disclosure 304-2. The organization can
 1054 amend the table according to its practices, for example by reporting additional information.

Climate change (requirement 304-2-a)				
Scope 1 GHG emissions (see Disclosure 305-1 in <i>GRI 305: Emissions 2016</i>)		Scope 2 GHG emissions (see Disclosure 305-2 in <i>GRI 305: Emissions 2016</i>)		Scope 3 GHG emissions (see Disclosure 305-3 in <i>GRI 305: Emissions 2016</i>)
[metric tons of CO ₂ equivalent]		[gross location-based in metric tons of CO ₂ equivalent] [if applicable, gross market-based in metric tons of CO ₂ equivalent]		[metric tons of CO ₂ equivalent]
Invasive alien species (requirement 304-2-b)				
Site name	Activities			
[name or identifier]	[description]			
Land and sea use change (requirement 304-2-c)				
Site name	Activities	Ecosystem type	Ecosystem size	
[name or identifier]	[description]	[type]	[hectares]	
Overexploitation of resources (requirement 304-2-d)				
Site name	Activities	Type of resource	Quantity of resource	Species extinction risk⁶
[name or identifier]	[description]	[type]	[quantity]	[extinction risk status]
Pollution (requirement 304-2-e)				
Site name	Activities	Type of pollutant	Quantity of pollutant	
[name or identifier]	[description]	[type]	[quantity]	

⁶ The organization is required to report the species extinction risk only in cases where it overexploits wild animal and plant species.

1055 **Table 3. Example of template for presenting information for Disclosure 304-3**

1056 Table 3 offers an example of how to present information for Disclosure 304-3. The organization can
 1057 amend the table according to its practices, for example by reporting additional information.

Ecosystems affected or potentially affected by the organization’s activities (requirement 304-3-a)						
Site name	[Baseline year]			[Current reporting period]		
	Ecosystem type	Ecosystem size	Ecosystem condition	Ecosystem type	Ecosystem size	Ecosystem condition
[name or identifier]	[type]	[hectares]	[condition]	[type]	[hectares]	[condition]
Species affected or potentially affected by the organization’s activities (requirement 304-3-b)						
Site name	[Baseline year]		[Current reporting period]			
	Species name		Species extinction risk	Species name		Species extinction risk
[name or identifier]	[name]		[extinction risk status]	[name]		[extinction risk status]
Ecosystems affected or potentially affected by the suppliers’ activities (requirement 304-3-c)						
Site name	Ecosystem condition					
[name or identifier]	[condition]					

1058

Glossary

1059 This glossary provides definitions for terms used in this Standard. The organization is required to
1060 apply these definitions when using the GRI Standards.

1061 The definitions included in this glossary may contain terms that are further defined in the complete
1062 [GRI Standards Glossary](#). All defined terms are underlined. If a term is not defined in this glossary or in
1063 the complete *GRI Standards Glossary*, definitions that are commonly used and understood apply.

1064 **baseline**

1065 starting point used for comparisons

1066 Note: In the context of energy and emissions reporting, the baseline is the projected energy
1067 consumption or emissions in the absence of any reduction activity.

1068 **direct (Scope 1) GHG emissions**

1069 greenhouse gas (GHG) emissions from sources that are owned or controlled by the organization

1070 Examples: CO₂ emissions from fuel consumption

1071 Note: A GHG source is any physical unit or process that releases GHG into the atmosphere.

1072 **ecosystem conversion [new]**

1073 human-induced change of a natural ecosystem to another use, or profound change in an ecosystem's
1074 species composition, structure, or function

1075 Source: Accountability Framework, Terms and Definitions, 2019; modified

1076 Note 1: Ecosystem conversion can include severe degradation or the introduction of management
1077 practices that result in substantial and sustained change in the ecosystem's former species
1078 composition, structure, or function.

1079 Note 2: A natural ecosystem is an ecosystem that substantially resembles – in terms of species
1080 composition, structure, and ecological function – one that is or would be found in a given area in the
1081 absence of major human impacts. This includes human-managed ecosystems where much of the
1082 natural species composition, structure, and ecological function are present.

1083 **energy indirect (Scope 2) GHG emissions**

1084 greenhouse gas (GHG) emissions that result from the generation of purchased or acquired electricity,
1085 heating, cooling, and steam consumed by the organization

1086 **greenhouse gas (GHG)**

1087 gas that contributes to the greenhouse effect by absorbing infrared radiation

1088 **human rights**

1089 rights inherent to all human beings, which include, at a minimum, the rights set out in the *United*
1090 *Nations (UN) International Bill of Human Rights* and the principles concerning fundamental rights set
1091 out in the *International Labour Organization (ILO) Declaration on Fundamental Principles and Rights*
1092 *at Work*

1093 Source: United Nations (UN), *Guiding Principles on Business and Human Rights: Implementing the*
1094 *United Nations "Protect, Respect and Remedy" Framework*, 2011; modified

1095 Note: See [Guidance to 2-23-b-i in GRI 2: General Disclosures 2021](#) for more information on 'human
1096 rights'.

1097 **impact**

1098 effect the organization has or could have on the economy, environment, and people, including on their
1099 human rights, which in turn can indicate its contribution (negative or positive) to sustainable
1100 development

1101 Note 1: Impacts can be actual or potential, negative or positive, short-term or long-term, intended or
1102 unintended, and reversible or irreversible.

1103 Note 2: See [section 2.1 in GRI 1: Foundation 2021](#) for more information on 'impact'.

1104 **indigenous peoples**

1105 indigenous peoples are generally identified as:

- 1106 • tribal peoples in independent countries whose social, cultural and economic conditions
1107 distinguish them from other sections of the national community, and whose status is regulated
1108 wholly or partially by their own customs or traditions or by special laws or regulations;
- 1109 • peoples in independent countries who are regarded as indigenous on account of their descent
1110 from the populations which inhabited the country, or a geographical region to which the
1111 country belongs, at the time of conquest or colonization or the establishment of present state
1112 boundaries and who, irrespective of their legal status, retain some or all of their own social,
1113 economic, cultural and political institutions.

1114 Source: International Labour Organization (ILO), *Indigenous and Tribal Peoples Convention, 1989*
1115 (No. 169)

1116 **local community**

1117 individuals or groups of individuals living or working in areas that are affected or that could be affected
1118 by the organization's activities

1119 Note: The local community can range from those living adjacent to the organization's operations to
1120 those living at a distance.

1121 **material topics**

1122 topics that represent the organization's most significant impacts on the economy, environment, and
1123 people, including impacts on their human rights

1124 Note: See [section 2.2 in GRI 1: Foundation 2021](#) and [section 1 in GRI 3: Material Topics 2021](#) for
1125 more information on 'material topics'.

1126 **other indirect (Scope 3) GHG emissions**

1127 indirect greenhouse gas (GHG) emissions not included in energy indirect (Scope 2) GHG emissions
1128 that occur outside of the organization, including both upstream and downstream emissions

1129 **reporting period**

1130 specific time period covered by the reported information

1131 Examples: fiscal year, calendar year

1132 **supplier**

1133 entity upstream from the organization (i.e., in the organization's supply chain), which provides a
1134 product or service that is used in the development of the organization's own products or services

1135 Examples: brokers, consultants, contractors, distributors, franchisees, home workers, independent
1136 contractors, licensees, manufacturers, primary producers, sub-contractors, wholesalers

1137 Note: A supplier can have a direct business relationship with the organization (often referred to as a
1138 first-tier supplier) or an indirect business relationship.

1139 **supply chain**

1140 range of activities carried out by entities upstream from the organization, which provide products or
1141 services that are used in the development of the organization's own products or services

1142 **sustainable development / sustainability**

1143 development that meets the needs of the present without compromising the ability of future
1144 generations to meet their own needs

1145 Source: World Commission on Environment and Development, *Our Common Future*, 1987

1146 Note: The terms ‘sustainability’ and ‘sustainable development’ are used interchangeably in the GRI
1147 Standards.

1148 **value chain**

1149 range of activities carried out by the organization, and by entities upstream and downstream from the
1150 organization, to bring the organization’s products or services from their conception to their end use

1151 Note 1: Entities upstream from the organization (e.g., suppliers) provide products or services that are
1152 used in the development of the organization’s own products or services. Entities downstream from the
1153 organization (e.g., distributors, customers) receive products or services from the organization.

1154 Note 2: The value chain includes the supply chain.

1155 **waste**

1156 anything that the holder discards, intends to discard, or is required to discard

1157 Source: United Nations Environment Programme (UNEP), *Basel Convention on the Control of*
1158 *Transboundary Movements of Hazardous Wastes and Their Disposal*, 1989

1159 Note 1: Waste can be defined according to the national legislation at the point of generation.

1160 Note 2: A holder can be the reporting organization, an entity in the organization’s value chain
1161 upstream or downstream (e.g., supplier or consumer), or a waste management organization, among
1162 others.

1163 **water consumption**

1164 sum of all water that has been withdrawn and incorporated into products, used in the production of
1165 crops or generated as waste, has evaporated, transpired, or been consumed by humans or livestock,
1166 or is polluted to the point of being unusable by other users, and is therefore not released back to
1167 surface water, groundwater, seawater, or a third party over the course of the reporting period

1168 Source: CDP, *CDP Water Security Reporting Guidance*, 2018; modified

1169 Note: Water consumption includes water that has been stored during the reporting period for use or
1170 discharge in a subsequent reporting period.

1171 **water stress**

1172 ability, or lack thereof, to meet the human and ecological demand for water

1173 Source: CEO Water Mandate, *Corporate Water Disclosure Guidelines*, 2014

1174 Note 1: Water stress can refer to the availability, quality, or accessibility of water.

1175 Note 2: Water stress is based on subjective elements and is assessed differently depending on
1176 societal values, such as the suitability of water for drinking or the requirements to be afforded to
1177 ecosystems.

1178 Note 3: Water stress in an area may be measured at catchment level at a minimum.

1179 **water withdrawal**

1180 sum of all water drawn from surface water, groundwater, seawater, or a third party for any use over
1181 the course of the reporting period

1182 **worker**

1183 person that performs work for the organization

1184 Examples: employees, agency workers, apprentices, contractors, home workers, interns, self-
1185 employed persons, sub-contractors, volunteers, and persons working for organizations other than the
1186 reporting organization, such as for suppliers

1187 Note: In the GRI Standards, in some cases, it is specified whether a particular subset of workers is
1188 required to be used.

1189

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1191 developing this Standard.

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